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## Amendments to the Claims:

Please amend claims 2 and 16 as follows:

## Listing of Claims:

- 1. (Cancelled)
- 2. (Currently amended) The accelerated weathering device [[optical filter]] of claim 18 wherein the glass is cylindrical.
- 3. (Previously presented) The accelerated weathering device of claim 18 wherein the glass has a thickness of between 0.7mm and 10mm.
- 4. (Previously presented) The accelerated weathering device of claim 3 wherein the glass has a lead content of 30% by weight.
- 5. (Previously presented) The accelerated weathering device of claim 18 wherein the optical filter comprises an ultraviolet transmissive optical filter operably coupled to the lead glass optical filter.
- 6. (Previously presented) The accelerated weathering device of claim 5 wherein the ultraviolet transmissive optical filter is constructed from quartz glass.
- 7. (Previously presented) The accelerated weathering device of claim 5 wherein the ultraviolet transmissive optical filter includes an infrared absorbing coating.
- 8. (Previously presented) The accelerated weathering device of claim 5 including a plurality of ultraviolet transmissive optical filters.

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9. (Previously presented) The accelerated weathering device of claim 8 including two ultraviolet transmissive optical filters.

- 10. (Previously presented) The accelerated weathering device of claim 9 wherein the lead glass optical filter is disposed between the ultraviolet transmissive optical filters.
- 11. (Previously presented) An accelerated weathering device suitable for testing product samples, the accelerated weathering device comprising:
- a weathering fixture adapted to hold the product sample; and
- an illuminator disposed approximate the weathering fixture, the illuminator adapted to provide illumination to the product sample; wherein the illuminator includes
  - a light source having spectral characteristics in at least the range of 200nm to 400nm; and
  - an optical filter disposed proximate the light source, the optical filter comprising:
    - a lead glass free of visible light absorbing components and having a thickness selected such that illumination passed through the lead glass has a first ratio of a first total irradiance for wavelengths shorter than 290nm to
    - a second total irradiance for wavelengths between 300nm to 400nm,
    - wherein the first ratio is less than 2.0x10-6; and
    - a second ratio of an irradiance at 310nm to the second total irradiance, wherein the second ratio is at least  $1.2x10^{-3}$ .
- 12. (Previously presented) The accelerated weathering device of claim 11 wherein the thickness of the lead glass is selected to provide a cut-on wavelength for the illumination passed through the lead glass of between 290nm to 300nm.
- 13. (Previously presented) The accelerated weathering device of claim 11 wherein the illumination from the light source includes a spectral component of at least 290nm to 400nm.

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14. (Previously presented) The accelerated weathering device of claim 11 whercin the illumination from the light source includes an irradiance of between 0.35 W/m<sup>2</sup> and 1.31 W/m<sup>2</sup> at 340nm.

- 15. (Previously presented) An accelerated weathering device suitable for testing product samples, the accelerated weathering device comprising:
- a weathering fixture adapted to hold the product sample; and
- an illuminator disposed approximate the weathering fixture, the illuminator adapted to provide illumination to the product sample; wherein the illuminator includes
  - a light source having spectral characteristics in at least the range of 200nm to 400nm; and
  - an optical filter disposed proximate the light source the optical filter comprising:
    - a lead glass free of visible light absorbing components and having a thickness selected such that the filtered illumination has
      - a cut-on wavelength of between 290nm and 300nm; and a ratio of an irradiance at 310nm to a total irradiance for wavelengths between 300nm and 400nm wherein the ratio is at least 1.2x10<sup>-3</sup>.
- 16. (Currently amended) An accelerated weathering device suitable for testing product samples, the accelerated weathering device comprising:
- a weathering fixture adapted to hold the product sample; and
- an illuminator disposed approximate the weathering fixture, the illuminator adapted to provide illumination to the product sample; wherein the illuminator includes
  - a light source having spectral characteristics in at least the range of 200 nm to 400 nm; and
- an optical filter assembly for an accelerated weathering device, the accelerated weathering device having a light source providing illumination, the optical filter assembly comprising:

an ultraviolet transmissive optical filter;

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a lead glass free of visible light absorbing components operably coupled to the ultraviolet transmissive optical filter, the lead glass having a thickness selected such that illumination passed through the optical filter assembly has

a first ratio of a first total irradiance for wavelengths shorter than 290nm to a second total irradiance for wavelengths between 300nm to 400nm, wherein the first ratio is less than 2.0x10<sup>-6</sup>; and

a second ratio of an irradiance at 310nm to the second total irradiance, wherein the second ratio is at least  $1.2 \times 10^{-3}$ .

- 17. (Previously presented) The accelerated weathering device of claim 16 wherein the ultraviolet transmissive optical filter provides at least 60% transmission of light at 250 nm and at least 80% transmission of light at 300 nm.
- 18. (Currently amended) An accelerated weathering device suitable for testing product samples, the accelerated weathering device comprising:
  - a weathering fixture adapted to hold the product sample; and
- an illuminator disposed approximate the weathering fixture, the illuminator adapted to provide illumination to the product sample;

wherein the illuminator includes

- a light source having spectral characteristics in at least the range of 200nm to 400nm; and
- an optical filter disposed proximate the light source, the optical filter comprising a glass free of visible light absorbing components and having a lead content of between 0.5% and 50% by weight.